GETTLER-RYAN INC.

TRANSMITTAL

October 5, 2000
G-R #180065

MW-6 - very high conc - F.P.

TO: Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California

CC: Mr. Doug Lee
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Tosco (Unocal) SS#5043
449 Hegenberger Road
Oakland, California

521

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 18, 2000	Groundwater Monitoring and Sampling Report Third Quarter 2000 - Events of May 26, June 17 and July 14, 2000

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***October 18, 2000***, this report will be distributed to the following:

Enclosure

cc: **Mr. Barney M. Chan, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502**
Beretta Investment Group, 39560 Stevenson Place, Suite 118, Fremont CA 94539

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ENVIRONMENTAL PROTECTION

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GETTLER-RYAN INC.

September 18, 2000
G-R Job #180065

Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RE: Third Quarter 2000 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

Dear Mr. De Witt:

This report documents the monthly site visits and the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On May 26, and June 17, 2000, field personnel monitored one well (MW-6) and on July 14, 2000, field personnel monitored and sampled six wells (MW-3 and MW-6 through MW-10) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in one well (MW-6). Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 3. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Barbara Sieminski
Project Geologist, R.G. No. 6676

REGISTERED GEOLOGIST
BARBARA SIEMINSKI
No. 6676
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Product Thickness/Removal Data
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

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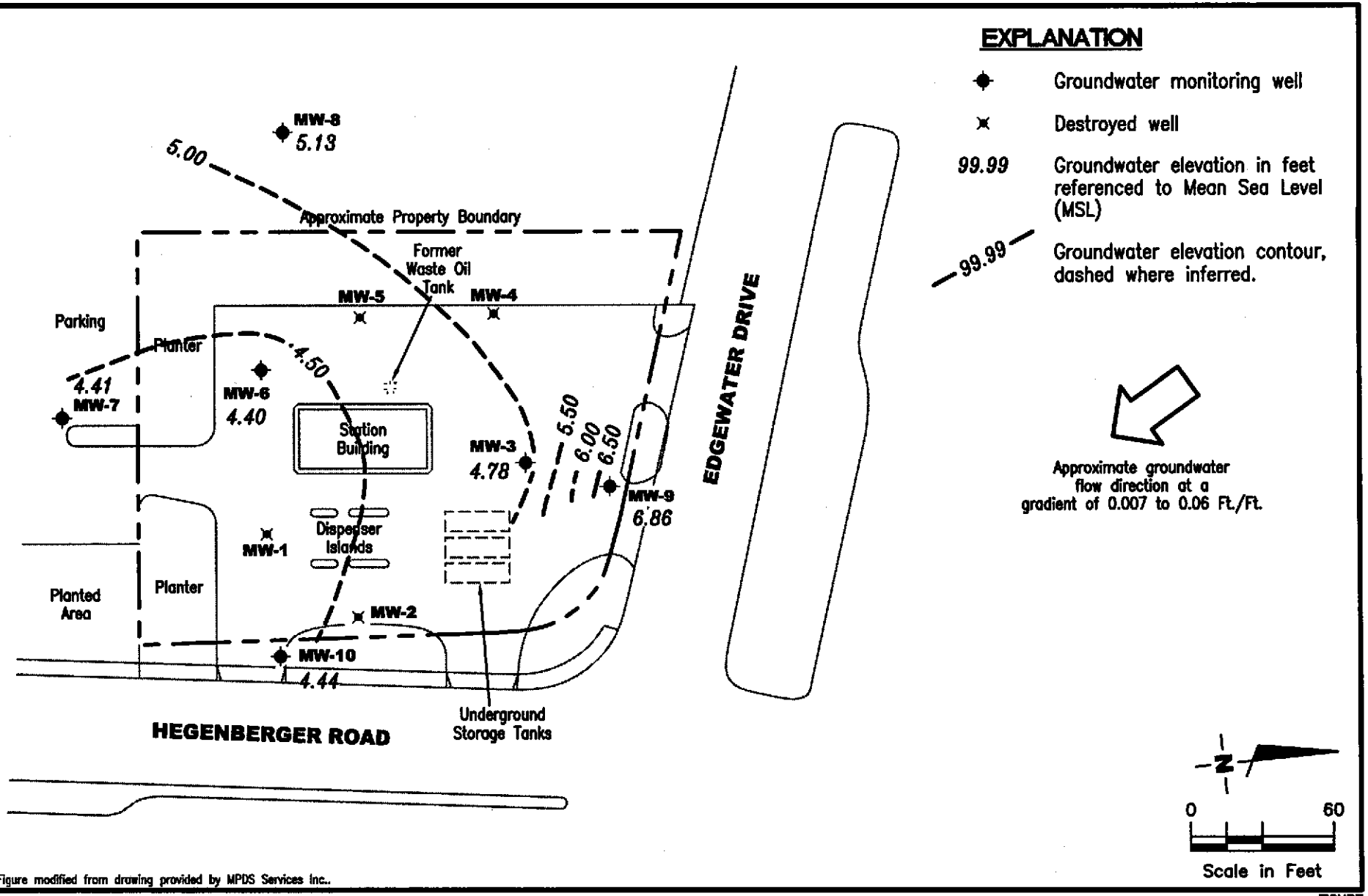

Source: Figure modified from drawing provided by MPDS Services Inc..

Gettler - Ryan Inc.
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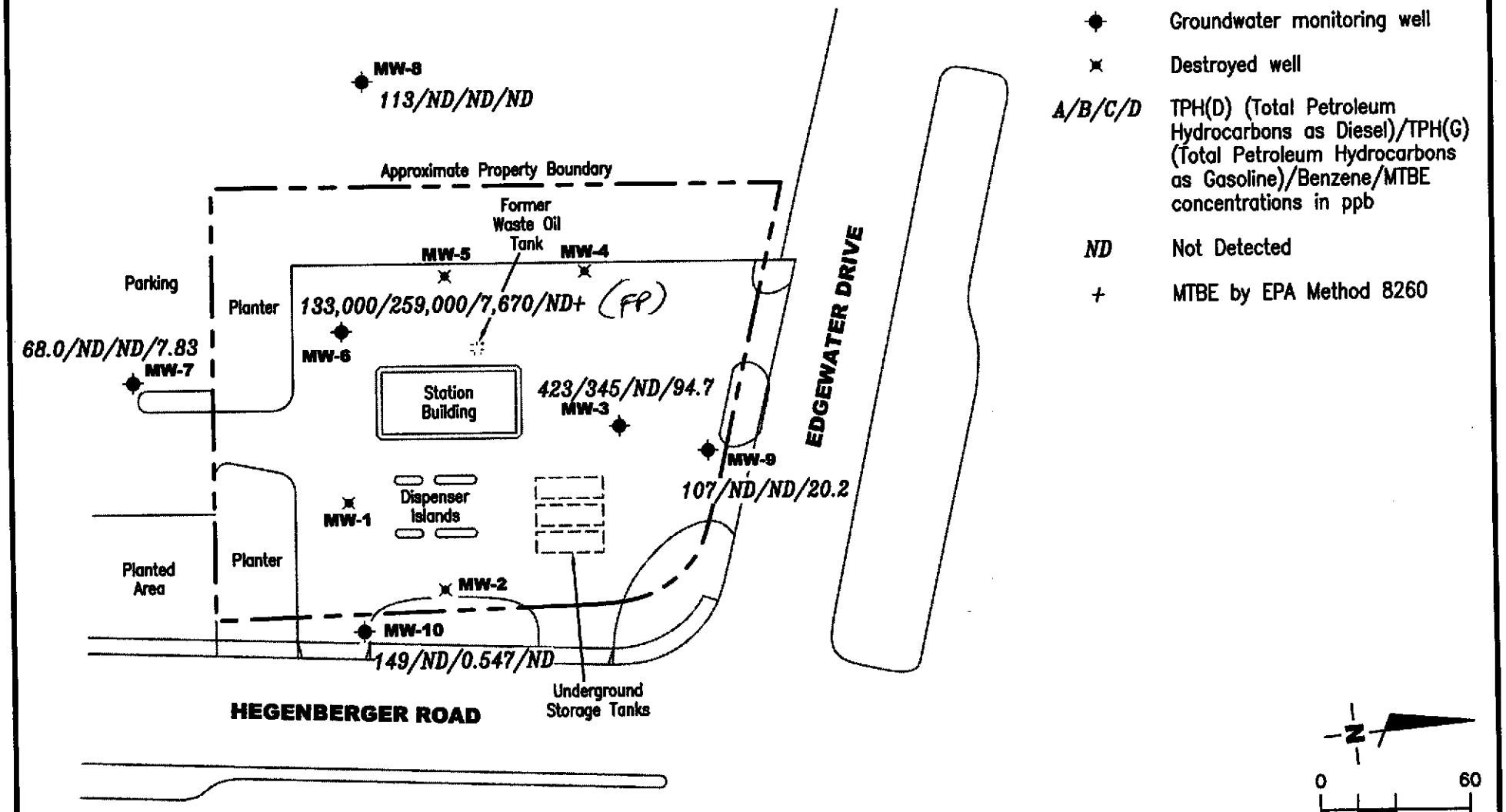
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		July 14, 2000	

FILE NAME: P:\ENVIRO\TOSCO\5043\000-5043.DWG | Layout Tab: Pot3



Source: Figure modified from drawing provided by MPDS Services Inc..

FIGURE 2

Gettler - Ryan Inc.

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Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

PROJECT NUMBER 180065

REVIEWED BY

DATE July 14, 2000

REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\5043\Q00-5043.DWG | Layout Tab: Con3

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	02/18/92	--	--	--	--	13,000	150,000	17,000	26,000	5,200	26,000	--
	05/20/92	--		--	--	--	--	--	--	--	--	--
	08/31/92	--		--	--	8,900[1]	64,000	13,000	12,000	2,500	22,000	--
	11/30/92	--		--	--	--	--	--	--	--	--	--
	02/04/93	--		--	--	--	--	--	--	--	--	--
8.96◆	05/04/93	2.13		5.73**	0.10	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/04/93	2.92		4.88**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
7.38	11/03/93	3.04		4.74	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/07/94	2.55		4.85**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.23		5.16**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	06/25/94	2.49		4.90**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/27/94	3.10		4.28	0.00	--	--	--	--	--	--	--
	08/15/94	2.85		4.61**	0.11	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/14/94	2.97		4.50**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/21/95	1.53		5.87**	0.02	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/18/95	DESTROYED (3/95)		--	--	--	--	--	--	--	--	--
MW-2	02/18/92	--	--	--	--	4,300	29,000	1,000	5,300	260	7,900	--
	05/20/92	--		--	--	4,300[1]	24,000	2,200	7,600	630	11,000	--
	08/31/92	--		--	--	1,600[1]	9,000	1,800	640	140	2,000	--
	11/30/92	--		--	--	5,700[1]	29,000	2,000	3,400	1,200	6,900	--
	02/04/93	--		--	--	6,100[1]	18,000	1,600	3,000	ND	6,900	--
8.96◆	05/04/93	2.48		6.48	0.00	7,100[1]	63,000	3,200	17,000	470	17,000	--
	08/04/93	3.20		5.76	0.00	1,800[2]	45,000	2,100	6,600	1,400	12,000	--
8.58	11/03/93	3.37		5.21	0.00	2,600[2]	72,000	3,700	16,000	3,700	20,000	--
	02/07/94	2.40		6.18	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.13		6.45	0.00	3,000[2]	42,000	2,500	1,300	2,300	13,000	--
	06/25/94	2.65		5.93	0.00	--	--	--	--	--	--	--
	07/27/94	3.44		5.14	0.00	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	08/15/94	3.25	--	5.33	0.00	2,800[2]	35,000	2,400	850	1,700	15,000	--
(cont)	11/14/94	2.13		6.45	0.00	10,000[1]	43,000	2,200	6,500	1,800	14,000	--
	02/21/95	1.65		6.93	0.00	2,000[2]	44,000	2,200	3,200	1,300	1,500	--
	05/18/95	DESTROYED (3/95)		--	--	--	--	--	--	--	--	--
MW-3	02/18/92	--	2.5-14.0	--	--	ND	230	4.8	22	1.8	33	--
	05/20/92	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	08/31/92	--		--	--	92[2]	210[4]	1	ND	ND	ND	--
	11/30/92	--		--	--	94	790[4]	ND	ND	ND	ND	--
	02/04/93	--		--	--	550[2]	3,300	320	ND	96	6.1	--
7.84◆	05/04/93	4.32		3.52	0.00	250[2]	1,800[3]	95	ND	ND	ND	--
	08/04/93	4.94		2.90	0.00	100	210[4]	ND	ND	ND	ND	--
7.42	11/03/93	4.53		2.89	0.00	160	640[4]	ND	ND	ND	ND	--
	02/07/94	2.40		5.02	0.00	620[2]	2,700	110	ND	17	ND	--
	05/19/94	3.60		3.82	0.00	480[2]	1,800	83	ND	6.2	9.1	--
	06/25/94	4.58		2.84	0.00	--	--	--	--	--	--	--
	07/27/94	4.58		2.84	0.00	--	--	--	--	--	--	--
	08/15/94	4.65		2.77	0.00	110[2]	130	1.1	0.54	ND	0.97	--
	11/14/94	3.18		4.24	0.00	150[2]	1,600[4]	ND	ND	ND	ND	--
	02/21/95	1.81		5.61	0.00	850[2]	3,800	350	ND	130	22	--
	05/18/95	4.56		2.86	0.00	150[1]	1,300[3]	42	ND	ND	ND	--
	08/17/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	07/26/96	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	10/28/96[6]	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	01/29/97	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	04/15/97	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	05/27/97	3.45		4.59	0.00	--	670	6.5	ND	ND	ND	250
	06/01/97	3.50		4.54	0.00	610[2]	--	--	--	--	--	--
8.04	07/15/97	3.71		4.33	0.00	240[2]	240	ND	ND	ND	ND	490
	10/09/97	3.70		4.34	0.00	500[2]	270	1.1	ND	2.4	1.4	910
	01/14/98	2.16		5.88	0.00	340[7]	310	ND	ND	0.62	0.65	140

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Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	04/01/98	2.20	2.5-14.0	5.84	0.00	320[7]	370	5.7	ND[9]	ND[9]	ND[9]	93
(cont)	07/15/98	3.38		4.66	0.00	510[10]	460[11]	ND[9]	ND[9]	ND[9]	ND[9]	230
	10/16/98	2.30		5.74	0.00	67[13]	330[14]	4.7	ND[9]	ND[9]	ND[9]	60
	01/25/99	2.42		5.62	0.00	120[7]	420[14]	1.5	ND[9]	ND[9]	ND[9]	180
	04/15/99	2.16		5.88	0.00	170[17]	290	0.54	ND	ND	ND	160
	07/14/99	2.35		5.69	0.00	420[19]	290	3.2	ND	ND	ND	160
	10/21/99	2.49		5.55	0.00	350[7]	360[23]	0.77	ND	ND	ND	82
	01/20/00	2.38		5.66	0.00	2,060[1]	ND	0.81	ND	ND	ND	54
	04/13/00	2.76		5.28	0.00	200[21]	250[23]	0.69	ND	ND	ND	91/150[26]
	07/14/00	**3.26**		**4.78**	**0.00**	**423[7]**	**345[27]**	**ND**	**ND**	**ND**	**ND**	**94.7**
MW-4	08/31/92	--	--	--	--	90[2]	240[4]	ND	ND	ND	0.54	--
	11/30/92	--		--	--	61	420[4]	ND	ND	ND	ND	--
	02/04/93	--		--	--	ND	ND	ND	ND	ND	ND	--
9.00*	05/04/93	4.09		4.91	0.00	ND	110[3]	0.95	ND	ND	ND	--
	08/04/93	5.01		3.99	0.00	81	250[4]	ND	3.5	ND	4.1	--
8.41	11/03/93	4.23		4.18	0.00	68	130[4]	ND	ND	ND	ND	--
	02/07/94	3.35		5.06	0.00	ND	56[4]	ND	ND	ND	ND	--
	05/19/94	3.92		4.49	0.00	90[2]	140[4]	ND	ND	ND	ND	--
	06/25/94	4.35		4.06	0.00	--	--	--	--	--	--	--
	07/27/94	4.28		4.13	0.00	--	--	--	--	--	--	--
	08/15/94	4.27		4.14	0.00	72[2]	59[4]	ND	0.6	ND	ND	--
	11/14/94	4.05		4.36	0.00	ND	130[4]	ND	ND	ND	ND	--
	02/21/95	DESTROYED (1/95)		--	--	--	--	--	--	--	--	--
MW-5	08/31/92	--	--	--	--	690[1]	78	0.89	ND	ND	13	--
	11/30/92[5]	--		--	--	470[2]	930	70	290	0.79	14	--
	02/04/93[5]	--		--	--	5,500[2]	5,700	38	ND	620	170	--
	05/04/93[5]	4.37		4.90	0.00	4,600[1]	7,400	41	ND	1,000	35	--
	08/04/93[5]	5.81		3.46	0.00	970[2]	1,500	130	1	460	11	--
8.95	11/03/93	5.68		3.27	0.00	2,100[2]	13,000	350	ND	3,500	530	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	02/07/94	5.11	--	3.84	0.00	830[2]	2,000	87	ND	370	110	--
(cont)	05/19/94	5.09		3.86	0.00	600[2]	260	44	ND	32	4.1	--
	06/25/94	4.55		4.40	0.00	--	--	--	--	--	--	--
	07/27/94	5.72		3.23	0.00	--	--	--	--	--	--	--
	08/15/94	5.68		3.27	0.00	860[2]	1,600	110	ND	340	72	--
	11/14/94	5.63		3.32	0.00	290[1]	250	40	ND	ND	5	--
	02/21/95	DESTROYED (1/95)		--	--	--	--	--	--	--	--	--
MW-6	08/31/92	--	2.5-13.5	--	--	750[2]	ND	ND	ND	ND	ND	--
	11/30/92	--		--	--	1,400[1]	9,200	550	ND	740	1,600	--
	02/04/93	--		--	--	890[2]	3,600	340	ND	290	550	--
9.12♦	05/04/93	3.72		5.40	0.00	1,800[1]	4,900	360	18	450	430	--
	08/04/93	5.15		3.97	0.00	1,100[2]	3,400	390	ND	440	190	--
8.87	11/03/93	5.25		3.62	0.00	390[2]	1,400	320	ND	200	7.7	--
	02/07/94	4.55		4.32	0.00	970[2]	4,900	650	ND	250	35	--
	05/19/94	4.62		4.25	0.00	1,400[2]	3,600	300	1.7	210	41	--
	08/15/94	5.08		3.79	0.00	790[2]	1,300	130	6.7	54	57	--
	11/14/94	5.30		3.57	0.00	800[2]	730	50	ND	ND	39	--
	02/21/95	5.37		3.50	0.00	730[2]	2,000	250	4.6	25	30	--
	05/18/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	08/17/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	07/26/96	6.40		5.03**	3.33	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	10/28/96	4.10		4.93**	0.21	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/13/96	4.02		5.04**	0.25	--	--	--	--	--	--	--
	11/25/96	4.01		5.44**	0.75	--	--	--	--	--	--	--
	12/04/96	3.65		5.61**	0.50	--	--	--	--	--	--	--
	12/19/96	4.80		5.76**	2.20	--	--	--	--	--	--	--
	01/08/97	4.84		5.38**	1.75	--	--	--	--	--	--	--
	01/14/97	4.51		5.25**	1.15	--	--	--	--	--	--	--
	01/27/97	4.00		6.22**	1.75	--	--	--	--	--	--	--
	01/29/97	3.24		5.87**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/11/97	4.65	2.5-13.5	5.14**	1.20	--	--	--	--	--	--	--
(cont)	02/24/97	4.81		4.91**	1.10	--	--	--	--	--	--	--
	03/10/97	4.60		5.00**	0.95	--	--	--	--	--	--	--
	03/17/97	4.50		5.06**	0.89	--	--	--	--	--	--	--
	03/31/97	4.65		4.99**	1.00	--	--	--	--	--	--	--
	04/15/97	4.90		4.76**	1.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	04/28/97	4.78		4.11**	0.03	--	--	--	--	--	--	--
	05/15/97	4.60		4.46**	0.25	--	--	--	--	--	--	--
	05/27/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	06/09/97	4.60		4.42**	0.20	--	--	--	--	--	--	--
	06/24/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	07/09/97	4.80		4.53**	0.60	--	--	--	--	--	--	--
	07/15/97	4.63		4.56**	0.42	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/21/97	4.75		4.31**	0.25	--	--	--	--	--	--	--
	08/06/97	4.50		4.45**	0.10	--	--	--	--	--	--	--
	08/20/97	4.55		4.40**	0.10	--	--	--	--	--	--	--
	09/02/97	4.75		4.16**	0.05	--	--	--	--	--	--	--
	10/09/97	4.84		4.06**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	01/14/98	3.90		5.69**	0.94	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/12/98	3.35		6.01**	0.64	--	--	--	--	--	--	--
	03/03/98	4.51		4.38**	0.02	--	--	--	--	--	--	--
	04/01/98	3.67		6.43**	1.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/26/98	4.11		5.15**	0.50	--	--	--	--	--	--	--
	06/15/98	5.03		4.07**	0.30	--	--	--	--	--	--	--
	07/15/98	4.56		4.35**	0.05	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/21/98	4.77		4.12**	0.02	--	--	--	--	--	--	--
	09/30/98	5.08		3.81**	0.03	--	--	--	--	--	--	--
	10/16/98	4.31		6.41**	2.40	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/06/98	3.98		5.02**	0.17	--	--	--	--	--	--	--
	11/25/98	3.92		5.03**	0.10	--	--	--	--	--	--	--
	12/28/98	3.90		5.12**	0.20	--	--	--	--	--	--	--
	01/25/99	4.18		5.15**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/22/99	4.07	2.5-13.5	4.97**	0.22	--	--	--	--	--	--	--
(cont)	03/22/99	4.32		4.67**	0.15	--	--	--	--	--	--	--
	04/15/99	4.23		5.37**	0.95	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/28/99	4.38		4.79**	0.39	--	--	--	--	--	--	--
	06/29/99	4.12		4.77**	0.02	--	--	--	--	--	--	--
	07/14/99	4.20		4.69**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/23/99	4.51		4.54**	0.24	--	--	--	--	--	--	--
	09/30/99	4.17		4.83**	0.17	--	--	--	--	--	--	--
	10/21/99	4.27		4.69**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
DPE test *	11/29/99	4.18		4.69	<0.01	--	--	--	--	--	--	--
	12/20/99	4.26		4.62**	0.01	--	--	--	--	--	--	--
	01/20/00	4.31		4.56	<0.01	67,600[1]	130,000[23]	2,900	8,600	2,000	16,000	ND[9]
	02/26/00	3.98		4.89	0.00	--	--	--	--	--	--	--
	03/31/00	4.14		4.73	0.00	--	--	--	--	--	--	--
	04/13/00	4.04		4.83	0.00	8,700[7]	140,000[23]	5,000	14,000	3,600	27,000	7,700
	05/26/00	**4.41**		**4.46**	**0.00**	--	--	--	--	--	--	--
	06/17/00	**4.35**		**4.52**	**0.00**	--	--	--	--	--	--	--
	07/14/00	**4.47**		**4.40**	**<0.01**	**133,000[7]**	**259,000[23]**	**7,670**	**13,700**	**6,860**	**40,700**	**[9]ND/ND[9,26]**
MW-7	05/27/97	4.50	3.0-13.0	4.33	0.00	--	68	ND	ND	ND	ND	ND
8.83	06/01/97	4.54		4.29	0.00	69[2]	--	--	--	--	--	--
	07/15/97	4.70		4.13	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	4.30		4.53	0.00	190[1]	ND	ND	ND	ND	ND	ND
	01/14/98	2.88		5.95	0.00	65[7]	ND	ND	ND	ND	ND	36
	04/01/98	3.13		5.70	0.00	ND	ND	ND	ND	ND	ND	ND
	07/15/98	4.45		4.38	0.00	74[12]	ND	ND	ND	ND	ND	ND
	10/16/98	3.45		5.38	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	3.22		5.61	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	3.11		5.72	0.00	ND	ND	ND	ND	ND	ND	ND
	07/14/99	3.34		5.49	0.00	69[20]	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	10/21/99	3.43	3.0-13.0	5.40	0.00	ND	ND	ND	ND	ND	ND	ND
(cont)	01/20/00	3.29		5.54	0.00	ND	ND	ND	ND	ND	ND	4.2
	04/13/00	3.39		5.44	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	07/14/00	**4.42**		**4.41**	**0.00**	**68.0[7]**	**ND**	**ND**	**ND**	**ND**	**ND**	**7.83**
MW-8	05/27/97	3.42	3.0-15.0	5.10	0.00	--	310	0.88	0.67	15	70	ND
8.52	06/01/97	3.46		5.06	0.00	320[2]	--	--	--	--	--	--
	07/15/97	3.49		5.03	0.00	ND	ND	ND	ND	2.7	3.8	ND
	10/09/97	3.73		4.79	0.00	390[1]	590	1.4	ND	32	4.1	ND
	01/14/98	1.92		6.60	0.00	230[7]	ND	ND	ND	ND	ND	ND
	04/01/98	2.38		6.14	0.00	510[7]	ND	ND	ND	ND	ND	4.7
	07/15/98	3.53		4.99	0.00	140[12]	ND	ND	ND	0.56	1.1	ND
	10/16/98	3.04		5.48	0.00	170[15]	ND	ND	ND	ND	ND	ND
	01/25/99	2.92		5.60	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	04/15/99	2.40		6.12	0.00	91[12]	ND	ND	ND	ND	ND	ND
	07/14/99	3.03		5.49	0.00	120[21]	ND	ND	ND	ND	ND	ND
	10/21/99	3.11		5.41	0.00	110[24]	ND	ND	ND	ND	ND	ND
	01/20/00	3.06		5.46	0.00	583[1]	ND	ND	ND	ND	ND	ND
	04/13/00	2.84		5.68	0.00	80[24]	ND	ND	ND	ND	ND	ND
	07/14/00	**3.39**		**5.13**	**0.00**	**113[7]**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-9	02/21/95	1.98	3.0-13.0	6.31	0.00	71[2]	70[4]	ND	ND	ND	ND	--
8.29	05/18/95	3.47		4.82	0.00	ND	52	ND	1.1	ND	1.9	--
	08/17/95	1.49		6.80	0.00	ND	ND	ND	ND	ND	ND	--
	07/26/96	0.28		8.01	0.00	98	ND	ND	ND	ND	ND	ND
	10/28/96	1.15		7.14	0.00	99[1]	ND	ND	ND	ND	ND	7.6
	01/29/97	1.05		7.24	0.00	54	ND	ND	ND	ND	ND	5.4
	04/15/97	1.88		6.41	0.00	94[1]	ND	ND	ND	ND	ND	5.4
	05/27/97	1.05		7.24	0.00	--	--	--	--	--	--	--
	07/15/97	1.90		6.39	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	1.76		6.53	0.00	160[1]	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	01/14/98	1.26	3.0-13.0	7.03	0.00	110[7]	ND	ND	ND	ND	ND	3.0
(cont)	04/01/98	0.85		7.44	0.00	110[7]	ND	ND	ND	ND	ND	ND
	07/15/98	1.52		6.77	0.00	200[12]	ND	ND	ND	ND	ND	ND
	10/16/98	0.81		7.48	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	0.92		7.37	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	0.90		7.39	0.00	ND	75[18]	21	ND	ND	1.1	680
	07/14/99	1.04		7.25	0.00	140[21]	ND	1.9	ND	ND	ND	260
	10/21/99	1.23		7.06	0.00	210[24]	ND	ND	ND	ND	ND	170
	01/20/00	1.18		7.11	0.00	519[1]	ND	1.1	ND	ND	ND	35
	04/13/00	1.08		7.21	0.00	81[25]	160[23]	0.64	ND	ND	ND	53
	07/14/00	**1.43**		**6.86**	**0.00**	**107[7]**	**ND**	**ND**	**ND**	**ND**	**ND**	**20.2**
MW-10	02/21/95	4.69	3.0-13.0	3.93	0.00	270[2]	1,500	250	26	9.1	160	--
8.62	05/18/95	4.92		3.70	0.00	75[1]	810	520	ND	18	23	--
	08/17/95	4.05		4.57	0.00	ND	67	25	ND	2.4	ND	--
	07/26/96	4.08		4.54	0.00	ND	ND	3.7	ND	ND	ND	ND
	10/28/96	4.09		4.53	0.00	ND	ND	1.1	ND	ND	ND	ND
	01/29/97	2.94		5.68	0.00	ND	210	41	0.67	7.2	4.8	11
	04/15/97	4.07		4.55	0.00	ND	110	12	ND	0.77	ND	9.7
	05/27/97	4.40		4.22	0.00	--	--	--	--	--	--	--
	07/15/97	4.19		4.43	0.00	ND	ND	2.1	ND	0.67	0.73	ND
	10/09/97	4.75		3.87	0.00	ND	190	38	0.92	6.6	7.6	ND
	01/14/98	2.66		5.96	0.00	--[8]	59	9.5	0.85	1.2	1.7	4.5
	04/01/98	3.45		5.17	0.00	62[7]	230	66	1.7	12	17	6.4
	07/15/98	4.21		4.41	0.00	78[12]	290	98	45	21	38	21
	10/16/98	4.11		4.51	0.00	ND	160[16]	44	0.96	2.5	10	17
	01/25/99	3.26		5.36	0.00	ND	140	27	ND	2.8	6.8	23
	04/15/99	3.63		4.99	0.00	ND	120	18	ND	1.8	5.1	14

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	07/14/99	3.89	3.0-13.0	4.73	0.00	180[22]	280	55	3.2	11	31	6.1
(cont)	10/21/99	4.09		4.53	0.00	96[7]	140[23]	22	0.59	1.7	7.7	5.3
	01/20/00	3.92		4.70	0.00	252[1]	ND	0.73	0.86	ND	ND	5.2
	04/13/00	3.85		4.77	0.00	69[24]	67[23]	54	ND	2.6	ND	3.8
	07/14/00	**4.18**		**4.44**	**0.00**	**149[7]**	**ND**	**0.547**	**ND**	**ND**	**ND**	**ND**
Trip Blank												
TB-LB	01/14/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/01/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/15/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/16/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/25/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/15/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/21/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/20/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/13/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/00	**--**		**--**	**--**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
S. I. = Screen Interval
(ft. bgs.) = Feet Below Ground Surface
GWE = Groundwater Elevation
msl = mean sea level
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
TOG = Total Oil and Grease

* TOC elevations are relative to msl, per the City of Oakland Benchmark #3880 (Elevation = 20.37 feet msl).

** Groundwater elevation corrected for the presence of free product [(TOC-DTW)+(Product Thickness x 0.77)].

♦ Elevations were based on the top of the well covers, and were surveyed relative to msl, per the City of Oakland Benchmark #3880 (Elevation = 20.37 feet).

1 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

2 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

3 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

4 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

5 TOG was ND.

6 The well was obstructed with debris at 0.55 feet. A water sample was collected but was not analyzed as it was considered not representative of groundwater in this well.

7 Laboratory report indicates unidentified hydrocarbons C9-C24

8 Sample bottle broken at Laboratory.

9 Detection limit raised. Refer to analytical reports.

10 Laboratory report indicates unidentified hydrocarbons >C14 and <C12.

11 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.

12 Laboratory report indicates unidentified hydrocarbons >C14.

13 Laboratory report indicates non diesel mix >C14.

14 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.

15 Laboratory report indicates non diesel mix C9-C27.

16 Laboratory report indicates unidentified hydrocarbons <C7.

17 Laboratory report indicates unidentified hydrocarbons >C10.

18 Laboratory report indicates unidentified hydrocarbons C6-C12.

19 Laboratory report indicates unidentified hydrocarbons >C9.

20 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C20.

21 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C16.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

EXPLANATIONS:

22 Laboratory report indicates unidentified hydrocarbons <C14 and >C16.

23 Laboratory report indicates gasoline C6-C12.

24 Laboratory report indicates unidentified hydrocarbons >C16.

25 Laboratory report indicates discrete peaks.

26 MTBE by EPA Method 8260.

27 Laboratory report indicates weathered gasoline C6-C12.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3	04/13/00	ND	ND	150	ND	ND	ND	ND	ND
MW-6	07/14/00	--	--	ND[1]	--	--	--	--	--

EXPLANATIONS:

TBA = Tertiary Butyl Alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = Di-Isopropyl Ether
ETBE = Ethyl Tertiary Butyl Ether
TAME = Tertiary Amyl Methyl Ether
1,2-DCA = Dichloroethane
EDB = Ethylene dibromide
ppb = Parts per billion
ND = Not Detected
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

[1] Detection limit raised. Refer to analytical reports.

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-6	07/26/96	6.40	3.33	2.10
	10/28/96	4.10	0.21	0.14
	11/13/96	4.02	0.25	0.09
	11/25/96	4.01	0.75	0.47
	12/04/96	3.65	0.50	0.43
	12/19/96	4.80	2.20	1.02
	01/08/97	4.84	1.75	0.59
	01/14/97	4.51	1.15	0.66
	01/27/97	4.00	1.75	0.78
	01/29/97	3.24	0.31	0.25
	02/11/97	4.65	1.20	0.62
	02/24/97	4.81	1.10	0.50
	03/10/97	4.60	0.95	0.47
	03/17/97	4.50	0.89	0.35
	03/31/97	4.65	1.00	0.50
	04/15/97	4.90	1.03	0.51
	04/28/97	4.78	0.03	0.20
	05/15/97	4.60	0.25	0.20
	05/27/97	4.50	0.25	0.00
	06/09/97	4.60	0.20	0.23
	06/24/97	4.50	0.25	0.25
	07/09/97	4.80	0.60	0.25
	07/15/97	4.63	0.42	0.20
	07/21/97	4.75	0.25	0.27
	08/06/97	4.50	0.10	0.16
	08/20/97	4.55	0.10	0.20
	09/02/97	4.75	0.05	0.12
	10/09/97	4.84	0.04	0.12
	01/14/98[1]	3.90	0.94	1.50
	02/12/98[1]	3.35	0.64	0.32
	03/03/98[1]	4.51	0.02	2.00
	04/01/98[1]	3.67	1.60	0.50
	05/26/98[1]	4.11	0.50	0.08
	06/15/98[1]	5.03	0.30	0.060
	07/15/98[1]	4.56	0.05	0.10
	08/21/98[1]	4.77	0.02	0.040
	09/30/98[1]	5.08	0.03	0.027
	10/16/98[1]	4.32	2.40	0.98
	11/06/98[1]	3.98	0.17	0.16
	11/25/98[1]	3.92	0.10	0.12
	12/28/98[1]	3.90	0.20	0.14
	01/25/99[1]	4.18	0.60	0.27
	02/22/99[1]	4.07	0.22	0.078 product/3.0 water
	03/22/99[1]	4.32	0.15	0.039 product/5.0 water
	04/15/99[1]	4.23	0.95	1.0 product

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-6 (cont)	05/28/99[1]	4.38	0.39	0.141 product/1.0 water
	06/29/99[1]	4.12	0.02	0.054 product/8.0 water
	07/14/99[1]	4.20	0.03	0.039 product/2.0 water
	08/23/99[1]	4.51	0.24	0.094 product/1.0 water
	09/30/99[1]	4.17	0.17	0.141 product/1.0 water
	10/21/99[1]	4.27	0.12	0.070 product/1.0 water
	11/29/99[2]	4.18	<0.01	0.0078 product/1.0 water
	12/20/99[2]	4.26	0.01	0.0156 product/1.0 water
	01/20/00[2]	4.31	<0.01	0.00
	02/26/00	3.98	0.00	0.00
	03/31/00	4.14	0.00	0.00
	04/13/00	4.04	0.00	0.00
	05/26/00	**4.41**	**0.00**	**0.00**
	06/17/00	**4.35**	**0.00**	**0.00**
	07/14/00	**4.47**	**<0.01**	**<1 ounce**

EXPLANATIONS:

Product Thickness/Removal Data prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to Water

(ft.) = Feet

[1] Skimmer present in well.

[2] No skimmer found in well.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING
EVENT OF MAY 26, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 5-26-00

City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 12.75 ft.

Depth to Water 4.41 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: _____ Weather Conditions: _____

Sampling Time: _____ Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS: Very strong odor coming from well.

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING
EVENT OF JUNE 17, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 6-17-00

City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 6 (gal.)

Total Depth 12.75 ft.

Depth to Water 4.35 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: _____ Weather Conditions: _____

Sampling Time: _____ Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS: Strong odor in well

3/97-fieldst.frm

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING & SAMPLING
EVENT OF JULY 14, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-3 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 14.05 ft.

Depth to Water 3.26 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

10.79 X VF 0.17 = 1.83 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other: _____

Sampling Equipment: (Disposable Bailer) ~~Disposable Bailer~~ Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 10:12 Weather Conditions: clear

Sampling Time: 10:35 Am Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm) X 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:20	1.5	7.26	2.97	66.2			
10:23	3	7.20	3.15	66.7			
10:26	5.5	7.14	3.02	66.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	1 Amb	"	—	"	TPH D

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: <0.01 in. Amount Bailed (product/water): 1 ounce (gal.)

Total Depth 12.75 ft.

Depth to Water 4.47 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.90	

8.28 X VF 0.17 = 1.41 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 10:55 Weather Conditions: clear

Sampling Time: 11:25 Am Water Color: clear Odor: yes (strong)

Purging Flow Rate: 0.5 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:06	1.5	6.75	0.63	66.3			
11:10	3	6.80	0.67	67.0			
11:13	4.5	6.78	0.68	67.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE by 8260
	1 Amb	"	—	"	TPHD

COMMENTS: _____

3/97-Bailer.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-7 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 13.15 ft.

Depth to Water 4.42 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.73 X VF 0.17 = 1.48 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other: _____

Sampling Equipment: (Disposable Bailer) ~~Disposable Bailer~~ Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 7:08 Weather Conditions: clear

Sampling Time: 7:35 A.M. Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:15	1.5	7.83	10.37	66.2			
7:18	3	7.53	10.42	66.1			
7:22	4.5	7.41	10.50	66.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	1 Amb.	"	—	"	TPHD

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-8 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 14.80 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

Depth to Water 3.39 ft.

11.41 X VF 0.17 = 1.94 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 7:57 Weather Conditions: clear

Sampling Time: 8:25 AM Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

Did well de-water? Yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:08	2	7.18	8.41	66.5			
8:12	4	7.36	8.57	66.8			
8:15	6	7.30	8.62	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	1 Amb.	"	—	"	TPH D

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-9 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 11.95 ft.

Depth to Water 1.43 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

10.52 X VF 0.17 = 1.79 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: _____

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 9:22 Weather Conditions: clear

Sampling Time: 9:55 A.M. Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:35	1.5	7.44	5.97	68.0			
9:38	3	7.42	6.22	67.2			
9:42	5.5	7.43	6.31	67.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	1 Amb	"	—	"	TPHD

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 7-14-00

City: Oakland Sampler: Joe

Well ID MW-10 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 12.80 ft.

Depth to Water 4.18 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.62 X VF 0.17 = 1.47 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 8:38 Weather Conditions: clear

Sampling Time: 8:58 A.m Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm) x 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:43	1	7.97	8.12	65.9			
8:46	2.5	7.65	8.15	66.4			
8:49	4.5	7.55	8.18	66.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	1 Amb	"	—	"	TPHD

COMMENTS: _____

TOSCO

Tosco Marketing Company
2000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: UNOCAL SS# 5043 / 6007108
Facility Address: 449 Hegenberger Road, Oakland, CA
Consultant Project Number: 180065.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone): 925 510-551-7555 (Fax Number): 925 510-551-7888

Contact (Name): MR. DAVID DEWITT
(Phone): 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 7-14-00
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX w/MTBE (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	MTBE by 8260					DO NOT BILL TB-LB ANALYSIS Remarks
Analyses To Be Performed																					
TB-LB		1 VOA	W	G	—	HCl	Y	✓													
MW-3		3 VOA	"	"	10:35 A.m	"	"	✓	✓	✓						✓					
MW-6		"	"	"	11:25 A.m	"	"	✓	✓	✓											
MW-7		"	"	"	7:35 A.m	"	"	✓	✓	✓											
MW-8		"	"	"	8:25 A.m	"	"	✓	✓	✓											
MW-9		"	"	"	9:55 A.m	"	"	✓	✓	✓											
MW-10		"	"	"	8:58 A.m	"	"	✓	✓	✓											
Cancel QA6										7/17/00				10:50							

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	7-14-00 5:00 P.M.			7/14/00
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612
www.sequoialabs.com

July 28, 2000

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin, CA 94568

RE: Tosco(4)/L007108

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on July 14, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I2360

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number: Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager: Deanna Harding	Reported: 7/28/00

ANALYTICAL REPORT FOR L007108

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L007108-01	Water	7/14/00
MW-3	L007108-02	Water	7/14/00
MW-6	L007108-03	Water	7/14/00
MW-7	L007108-04	Water	7/14/00
MW-8	L007108-05	Water	7/14/00
MW-9	L007108-06	Water	7/14/00
MW-10	L007108-07	Water	7/14/00

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TB-LB			**L007108-01**				**Water**	
Purgeable Hydrocarbons as Gasoline	0070115	7/27/00	7/27/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*95.0*	%	
MW-3			**L007108-02**				**Water**	
Purgeable Hydrocarbons as Gasoline	0070115	7/27/00	7/27/00		50.0	**345**	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**94.7**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*113*	%	
MW-6			**L007108-03**				**Water**	
Purgeable Hydrocarbons as Gasoline	0070116	7/27/00	7/27/00		20000	**259000**	ug/l	2
Benzene	"	"	"		200	**7670**	"	
Toluene	"	"	"		200	**13700**	"	
Ethylbenzene	"	"	"		200	**6860**	"	
Xylenes (total)	"	"	"		200	**40700**	"	
Methyl tert-butyl ether	"	"	"		2000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	
MW-7			**L007108-04**				**Water**	
Purgeable Hydrocarbons as Gasoline	0070116	7/27/00	7/27/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**7.83**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*89.7*	%	
MW-8			**L007108-05**				**Water**	
Purgeable Hydrocarbons as Gasoline	0070116	7/27/00	7/27/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-8 (continued)			L007108-05				Water	
Methyl tert-butyl ether	0070116	7/27/00	7/27/00		5.00	ND	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*116*	%	
MW-9			L007108-06				Water	
Purgeable Hydrocarbons as Gasoline	0070116	7/27/00	7/27/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**20.2**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*97.3*	%	
MW-10			L007108-07				Water	
Purgeable Hydrocarbons as Gasoline	0070115	7/27/00	7/27/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	**0.547**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

MTBE by EPA Method 8260A
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-6			**L007108-03**				**Water**	**3**
Methyl tert-butyl ether	0070072	7/18/00	7/19/00		333	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*108*	%	

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-3			**L007108-02**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	50.0	**423**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*120*	%	
MW-6			**L007108-03**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	2000	**133000**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*NR*	%	*5*
MW-7			**L007108-04**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	50.0	**68.0**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*118*	%	
MW-8			**L007108-05**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	50.0	**113**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*113*	%	
MW-9			**L007108-06**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	50.0	**107**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*115*	%	
MW-10			**L007108-07**				**Water**	
Diesel Range Hydrocarbons	0G24017	7/24/00	7/25/00	DHS LUFT	50.0	**149**	ug/l	4
Surrogate: n-Pentacosane	"	"	"	*50-150*		*124*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0070115	**Date Prepared: 7/27/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0070115-BLK1**									
Purgeable Hydrocarbons as Gasoline	7/27/00			ND	ug/l	**50.0**				
Benzene	"			ND	"	**0.500**				
Toluene	"			ND	"	**0.500**				
Ethylbenzene	"			ND	"	**0.500**				
Xylenes (total)	"			ND	"	**0.500**				
Methyl tert-butyl ether	"			ND	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.72*	"	*70.0-130*	*97.2*			
LCS	**0070115-BS1**									
Benzene	7/27/00	10.0		9.92	ug/l	70.0-130	99.2			
Toluene	"	10.0		9.16	"	70.0-130	91.6			
Ethylbenzene	"	10.0		9.21	"	70.0-130	92.1			
Xylenes (total)	"	30.0		28.2	"	70.0-130	94.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.2*	"	*70.0-130*	*112*			
LCS	**0070115-BS2**									
Purgeable Hydrocarbons as Gasoline	7/27/00	250		245	ug/l	70.0-130	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*70.0-130*	*100*			
Matrix Spike	**0070115-MS1**		**L007108-07**							
Purgeable Hydrocarbons as Gasoline	7/28/00	250	ND	244	ug/l	60.0-140	**97.6**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
Matrix Spike Dup	**0070115-MSD1**		**L007108-07**							
Purgeable Hydrocarbons as Gasoline	7/28/00	250	ND	252	ug/l	60.0-140	**101**	25.0	**3.42**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.3*	"	*70.0-130*	*113*			
Batch: 0070116	**Date Prepared: 7/27/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0070116-BLK1**									
Purgeable Hydrocarbons as Gasoline	7/27/00			ND	ug/l	**50.0**				
Benzene	"			ND	"	**0.500**				
Toluene	"			ND	"	**0.500**				
Ethylbenzene	"			ND	"	**0.500**				
Xylenes (total)	"			ND	"	**0.500**				
Methyl tert-butyl ether	"			ND	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.5*	"	*70.0-130*	*115*			
LCS	**0070116-BS1**									
Benzene	7/27/00	10.0		9.14	ug/l	70.0-130	91.4			
Toluene	"	10.0		8.70	"	70.0-130	87.0			

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Gettler-Ryan/Geostrategies(1)
5747 Sierra Court, Suite J
Dublin, CA 94568

Project: Tosco(4)
Project Number: Unocal SS#5043
Project Manager: Deanna Harding

Sampled: 7/14/00
Received: 7/14/00
Reported: 7/28/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0070116-BS1**									
Ethylbenzene	7/27/00	10.0		8.40	ug/l	70.0-130	84.0			
Xylenes (total)	"	30.0		25.5	"	70.0-130	85.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.7*	"	*70.0-130*	*107*			
LCS	**0070116-BS2**									
Purgeable Hydrocarbons as Gasoline	7/27/00	250		217	ug/l	70.0-130	86.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.1*	"	*70.0-130*	*111*			
Matrix Spike	**0070116-MS1**		**L007108-05**							
Purgeable Hydrocarbons as Gasoline	7/27/00	250	ND	238	ug/l	60.0-140	**95.2**			*6*
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*13.3*	"	*70.0-130*	*133*			
Matrix Spike Dup	**0070116-MSD1**		**L007108-05**							
Purgeable Hydrocarbons as Gasoline	7/27/00	250	ND	231	ug/l	60.0-140	**92.4**	25.0	**2.99**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.9*	"	*70.0-130*	*119*			

**Refer to end of report for text of notes and definitions.*

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0070072	**Date Prepared: 7/18/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0070072-BLK1**									
Methyl tert-butyl ether	7/18/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.6*	"	*76.0-114*	*99.2*			
LCS	**0070072-BS1**									
Methyl tert-butyl ether	7/18/00	50.0		45.7	ug/l	70.0-130	91.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.1*	"	*76.0-114*	*98.2*			
Matrix Spike	**0070072-MS1**		**L007103-05**							
Methyl tert-butyl ether	7/18/00	50.0	ND	47.5	ug/l	60.0-140	**95.0**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.1*	"	*76.0-114*	*102*			
Matrix Spike Dup	**0070072-MSD1**		**L007103-05**							
Methyl tert-butyl ether	7/18/00	50.0	ND	47.8	ug/l	60.0-140	**95.6**	25.0	**0.630**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.9*	"	*76.0-114*	*97.8*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(4)	Sampled: 7/14/00
5747 Sierra Court, Suite J	Project Number: Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager: Deanna Harding	Reported: 7/28/00

Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0G24017	**Date Prepared: 7/24/00**					**Extraction Method: EPA 3510B**				
Blank	**0G24017-BLK1**									
Diesel Range Hydrocarbons	7/25/00			ND	mg/l	0.0500				
Surrogate: n-Pentacosane	"	*0.100*		*0.0917*	"	*50-150*	*91.7*			
LCS	**0G24017-BS1**									
Diesel Range Hydrocarbons	7/25/00	1.00		0.903	mg/l	60-140	90.3			
Surrogate: n-Pentacosane	"	*0.100*		*0.113*	"	*50-150*	*113*			
Matrix Spike	**0G24017-MS1**		**MJG0421-01**							
Diesel Range Hydrocarbons	7/25/00	1.00	0.138	1.09	mg/l	50-150	**95.2**			
Surrogate: n-Pentacosane	"	*0.100*		*0.122*	"	*50-150*	*122*			
Matrix Spike Dup	**0G24017-MSD1**		**MJG0421-01**							
Diesel Range Hydrocarbons	7/25/00	1.00	0.138	1.11	mg/l	50-150	**97.2**	50	**1.82**	
Surrogate: n-Pentacosane	"	*0.100*		*0.109*	"	*50-150*	*109*			

**Refer to end of report for text of notes and definitions.*

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 7/14/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS#5043	Received: 7/14/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 7/28/00

Notes and Definitions

#	Note
1	Chromatogram Pattern: Weathered Gasoline C6-C12
2	Chromatogram Pattern: Gasoline C6-C12
3	This sample was diluted due to high non-target compounds.
4	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
5	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
6	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference